

SEQUENCE LISTING

<110> Brennan, Thomas J.

<120> TRANSGENIC MICE CONTAINING DISRUPTIONS
IN GENES ENCODING A2D2 CALCIUM ION CHANNEL SUBUNIT PROTEINS

<130> R-10

<150> US 60/299,668

<151> 2001-06-19

<150> US 60/282,685

<151> 2001-04-09

<150> US 60/254,802

<151> 2000-12-11

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2552

<212> DNA

<213> Mus musculus

<400> 1

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<210> 2

<211> 223

<212> PRT

<213> Mus musculus

<400> 2

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Val Pro Thr Ile Ala Asp Phe Leu Asn Leu Ala Trp Trp Thr Ser Ala
          35          40          45
Ala Ala Trp Ser Leu Phe Gln Gln Leu Leu Tyr Gly Leu Ile Tyr His
          50          55          60
Ser Trp Phe Gln Ala Asp Pro Ala Glu Ala Glu Gly Ser Pro Glu Thr
65          70          75          80
Arg Glu Ser Ser Cys Val Met Lys Gln Thr Gln Tyr Tyr Phe Gly Ser
          85          90          95
Val Asn Ala Ser Tyr Asn Ala Ile Ile Asp Cys Gly Asn Cys Ser Arg
          100          105          110
Leu Phe His Ala Gln Arg Leu Thr Asn Thr Asn Leu Leu Phe Val Val
          115          120          125
Ala Glu Lys Pro Leu Cys Ser Gln Cys Glu Ala Gly Arg Leu Leu Gln
          130          135          140
Lys Glu Thr His Ser Asp Gly Pro Glu Gln Cys Glu Leu Val Gln Arg
145          150          155          160
Pro Arg Tyr Arg Arg Gly Pro His Ile Cys Phe Asp Tyr Asn Ala Thr
          165          170          175
Glu Asp Thr Ser Asp Cys Gly Arg Gly Ala Ser Phe Pro Pro Ser Leu
          180          185          190
Gly Val Leu Val Ser Leu Gln Leu Leu Leu Leu Leu Gly Leu Pro Pro
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Arg Pro Gln Pro Gln Val His Ser Phe Ala Ala Ser Arg His Leu
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<210> 3

<211> 200

<212> DNA

<213> Artificial Sequence

<220>

<223> Targeting vector

<400> 3

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ctccttctac acccgaaagg aatcctatga ctatcaggca gcctgtgccc ctcagcctcc 180

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tgggaacctg ggtgctgcac

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<210> 4
<211> 200
<212> DNA
<213> Artificial Sequence
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<220>
<223> Targeting vector
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<400> 4
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tctgggcccc gcagaccggg                                     200

```

[illegible]